



Patents

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Group Art Unit: N/A

Examiner: N/A

File No.: 0170-3801 CIP1

(previous no. 017-34 CIP)

In re Application of: S. MYOJIN ET AL.

Serial No.: 10/644,220

Filed: August 21, 2003

For: COPPER-NICKEL-SILICON TWO PHASE QUENCH SUBSTRATE

Morristown, NJ

November 10, 2003

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR § 1.97(b)

Dear Sir:

In accordance with the duty of disclosure under 37 CFR §1.56, Applicants hereby notify the U.S. Patent and Trademark Office of the following documents, which are listed on the attached PTO-1449 Form. The Examiner may deem these documents to be relevant to patentability of the claims of the above-identified application. A copy of each of the documents (except for U.S. patents) is enclosed for the convenience of the Examiner. Also enclosed is a copy of the Search Report that issued in the PCT application that was based on the parent application.

S.N. 10/644,220

The submission of the listed documents is not intended as an admission that any of the documents constitutes prior art against the claims of the present application. Applicants do not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

Applicants respectfully request that the listed documents be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO-1449 be returned in accordance with MPEP §609.

It is understood that no fee is necessary for submission of this Information Disclosure Statement, as it is being filed before the later of three months from the filing date or the mailing of the first Office Action on the merits.

Respectfully submitted,  
S. MYOJIN ET AL.

By: Roger H. Criss  
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Enclosures

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**Certificate of Mailing:**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to the Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450 on November 10, 2003.

Roger H. Criss  
Roger H. Criss  
November 10, 2003

0170-3801-CIP-IDS

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------|-------|---------------------------|----------------------------------|
| FORM PTO-1449 U.S. DEPARTMENT OF<br>COMMERCE<br>(Rev. 2-32) PATENT AND TRADEMARK OFFICE                                                                                                                                                 |    |                                                                                                                                                                                                                                          |       | ATTY. DOCKET<br>0170-3801 CIP   |       | SERIAL NO.:<br>10/644,220 |                                  |
| INFORMATION DISCLOSURE<br>STATEMENT BY APPLICANT                                                                                                                                                                                        |    |                                                                                                                                                                                                                                          |       | APPLICANT<br>MYOJIN ET AL.      |       |                           |                                  |
| (Use several sheets if necessary)                                                                                                                                                                                                       |    |                                                                                                                                                                                                                                          |       | FILING DATE:<br>August 21, 2003 |       | GROUP:<br>N/A             |                                  |
| <b>U.S. PATENT DOCUMENTS</b>                                                                                                                                                                                                            |    |                                                                                                                                                                                                                                          |       |                                 |       |                           |                                  |
| EXAMINER<br>INITIAL                                                                                                                                                                                                                     |    | DOCUMENT<br>NUMBER                                                                                                                                                                                                                       | DATE  | NAME                            | CLASS | SUBCLASS                  | FILING DATE<br>IF<br>APPROPRIATE |
|                                                                                                                                                                                                                                         | AA | 4,142,471                                                                                                                                                                                                                                | 3/79  | Narasimhan                      | 164   | 88                        |                                  |
|                                                                                                                                                                                                                                         | AB | 4,290,435                                                                                                                                                                                                                                | 4/81  | Edens et al.                    | 148   | 32.5                      |                                  |
|                                                                                                                                                                                                                                         | AC | 4,537,239                                                                                                                                                                                                                                | 8/85  | Budzyn et al.                   | 164   | 423                       |                                  |
|                                                                                                                                                                                                                                         | AD | 5,564,490                                                                                                                                                                                                                                | 10/96 | Liebermann et al.               | 164   | 463                       |                                  |
|                                                                                                                                                                                                                                         | AE | 5,842,511                                                                                                                                                                                                                                | 12/98 | Raybould et al.                 | 164   | 423                       |                                  |
|                                                                                                                                                                                                                                         | AF | 5,846,346                                                                                                                                                                                                                                | 12/98 | Lee et al.                      | 148   | 433                       |                                  |
|                                                                                                                                                                                                                                         | AG | 6,251,199                                                                                                                                                                                                                                | 6/01  | Mandigo                         | 148   | 433                       |                                  |
|                                                                                                                                                                                                                                         |    |                                                                                                                                                                                                                                          |       |                                 |       |                           |                                  |
| <b>FOREIGN PATENT DOCUMENTS</b>                                                                                                                                                                                                         |    |                                                                                                                                                                                                                                          |       |                                 |       |                           |                                  |
|                                                                                                                                                                                                                                         |    |                                                                                                                                                                                                                                          |       |                                 |       |                           | TRANSLATION                      |
|                                                                                                                                                                                                                                         |    | DOCUMENT<br>NUMBER                                                                                                                                                                                                                       | DATE  | COUNTRY                         | CLASS | SUBCLASS                  | YES NO                           |
|                                                                                                                                                                                                                                         | AH | 0024506A1                                                                                                                                                                                                                                | 6/80  | Europe                          |       |                           |                                  |
|                                                                                                                                                                                                                                         | AI | 0024506B1                                                                                                                                                                                                                                | 6/80  | Europe                          |       |                           |                                  |
|                                                                                                                                                                                                                                         | AJ | 57-130071                                                                                                                                                                                                                                | 2/84  | Japan (+ Abstract)              |       |                           | X                                |
|                                                                                                                                                                                                                                         | AK | 04 099140                                                                                                                                                                                                                                | 7/92  | Japan ( + Abstract)             |       |                           | X                                |
|                                                                                                                                                                                                                                         | AL | 09 143596                                                                                                                                                                                                                                | 10/97 | Japan + Abstract)               |       |                           | X                                |
|                                                                                                                                                                                                                                         |    |                                                                                                                                                                                                                                          |       |                                 |       |                           |                                  |
| <b>OTHER DOCUMENTS(Including Author, Title, Date, Pertinent Pages, etc.)</b>                                                                                                                                                            |    |                                                                                                                                                                                                                                          |       |                                 |       |                           |                                  |
|                                                                                                                                                                                                                                         | AM | Popa et al., New High-Temperature Copper Alloys", Journal of Materials Engineering and Performance, ASM International, vol. 5, no. 6, 12/1/96, pp. 695-698                                                                               |       |                                 |       |                           |                                  |
|                                                                                                                                                                                                                                         | AN | Database Compendex Online, Engineering Information, Inc., Popa et al., "Caracteristicile Sistemului Cu-Ni-Si, Functie de Compusul Ni2Si" (Abstract) & Cercet Metal 1977 Inst. de Cercet Metal, Bucharest, Romania, vol. 18, pp. 513-521. |       |                                 |       |                           |                                  |
|                                                                                                                                                                                                                                         |    |                                                                                                                                                                                                                                          |       |                                 |       |                           |                                  |
| EXAMINER                                                                                                                                                                                                                                |    |                                                                                                                                                                                                                                          |       | DATE CONSIDERED                 |       |                           |                                  |
| Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |    |                                                                                                                                                                                                                                          |       |                                 |       |                           |                                  |